

SVETLANA TECHNICAL DATA

6N1P

Dual Audio Triode

The Svetlana™ 6N1P is a miniature glass-envelope small-signal dual triode intended for use as a line-level amplifier or driver in high-quality audio amplifiers. Except for higher heater-current consumption, it is a direct plug-in replacement for the 6DJ8, ECC88 or 6922 in most high-level audio applications. Features include very low distortion—optimized for line stages; medium transconductance; internally shielded between sections, allowing their use at differing signal levels; higher plate-voltage and dissipation rating than 6DJ8 types; and larger cathode than 6DJ8 types, giving it longer life and more transient current capability.

Characteristics

Electrical

Cathode	*Oxide-coated, unipotential*	
Heater voltage (AC or DC)	*6.3 volts AC or DC (±0.6 volts)*	
Heater current	*600 mA ± 35 mA*	
Heater-cathode voltage	*±100 volts peak*	
Amplification factor (nominal)	*33*	
Transconductance (nominal)	*7500*	*µS*
Plate resistance (nominal)	*4400*	*ohms*
Interelectrode capacitances (typical), per section, with cathode grounded:		
Grid to cathode	*3.2*	*pF*
Anode to cathode	*1.5*	*pF*
Grid to anode	*1.6*	*pF*

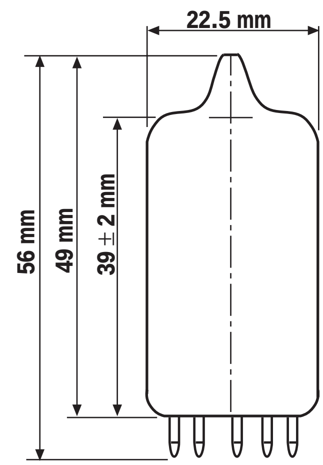
Mechanical

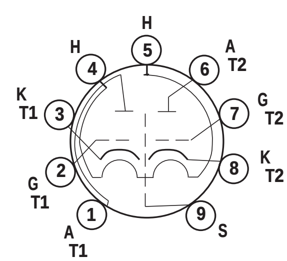
Base	*standard 9-pin miniature, glass button*
Basing diagram	*JEDEC 9AJ*
Socket	*9-pin miniature*
Operating position	*Any*
Nominal dimensions:	
Height of glass envelope	*49 mm (1.93 in.)*
Diameter of glass envelope	*22.5 mm (.88 in.)*
Overall height	*56 mm (2.20 in.)*
Net weight	*15 g (.50 oz.)*

Maximum ratings

Anode voltage, DC	*250*	*V*
Anode dissipation, per triode	*2.2*	*W*
Cathode current, continuous, per triode	*20*	*mA*
Maximum grid-circuit resistance	*0.5*	*megohm*

Svetlana Outline drawing





Svetlana
ELECTRON DEVICES

Headquarters:
8200 South Memorial Parkway
Huntsville, AL 35802
USA
Phone: 256 882 1344
Fax: 256 880 8077

Marketing & Engineering:
3000 Alpine Road
Portola Valley, CA 94028
USA
Phone: 650 233 0429
Fax: 650 233 0439

www.svetlana.com

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